

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Assistant Commissioner for Patents
Washington, D.C. 20231

Atty Dkt.: 604-540

Sir:

Attached for filing is the patent application of:

Date: February 18, 2000

Inventor: **SPINOZA, Marc H.**

Entitled: **A METHOD OF SECURING A LINE TO A
PATIENT, FASTENERS AND THEIR USE TO
SECURE A LINE TO A PATIENT**

and including attachments as noted below:

☒ Declaration, ☒ Abstract

26 pages of specification and claims (including 45 numbered claims), and
26 sheets of accompanying drawing/s.

Record & return the attached assignment to the undersigned.

Priority is hereby claimed under 35 USC 119 based on the following foreign applications, the entire content of which
is hereby incorporated by reference in this application:

Application Number

Country

Day/Month/Year Filed

9717821.4

Great Britain

21 August 1997

, respectively.

☒ Certified copy(ies) of foreign application(s) is/are attached..

☒ Please amend the specification by inserting before the first line --This is a continuation of PCT application
PCT/GB98/02502, filed 20 August 1998, the entire content of which is hereby incorporated by reference in this
application.--

☒ Priority is hereby claimed under 35 USC 120/365 based on the following prior PCT applications designating the U.S.,
the entire content of which is hereby incorporated by reference in this application:

Application Number

Country

Day/Month/Year Filed

PCT/GB98/02502

20 August 1998

This application is based on the following prior provisional application(s):

Application No.

Filing Date

respectively, the entire content of which is hereby incorporated by reference in this application, and priority is hereby
claimed therefrom.

Please amend the specification by inserting before the first line: -- This application claims the benefit of U.S.

Provisional Application No. , filed , the entire content of which is hereby incorporated by reference in this
application.

Verified Statement attached establishing "small entity" status (Rules 9 & 27)

The Examiner's attention is directed to the prior art cited in the parent application by applicant and/or Examiner for
the reasons stated therein.

☒ Preliminary amendment to claims (attached hereto), to be entered before calculation of the fee below.

☒ Also attached: **Submission of Priority Documents; Int'l Search Report**

FILING FEE IS BASED ON CLAIMS AS FILED LESS ANY HEREWITH CANCELED

Basic Filing Fee			\$	690.00
Total effective claims	45	- 20 (at least 20) =	25	x \$ 18.00
			\$	450.00
Independent claims	8	- 3 (at least 3) =	5	x \$ 78.00
			\$	390.00
If any proper multiple dependent claims now added for first time, add \$260.00 (ignore improper)			\$	0.00
			SUBTOTAL	\$ 1,530.00
If "small entity," then enter half (1/2) of subtotal and subtract			-\$	(0.00)
			SECOND SUBTOTAL	\$ 1,530.00
Assignment Recording Fee (\$40.00)			\$	40.00
			TOTAL FEE ENCLOSED	\$ 1,570.00

Any future submission requiring an extension of time is hereby stated to include a petition for such time extension.

The Commissioner is hereby authorized to charge any deficiency in the fee(s) filed, or asserted to be filed, or which should have been
filed herewith (or with any paper hereafter filed in this application by this firm) to our **Account No. 14-1140**. A duplicate copy of this
sheet is attached.

1100 North Glebe Road, 8th Floor
Arlington, Virginia 22201-4714
Telephone: (703) 816-4000
Facsimile: (703) 816-4100
LCM:lks

NIXON & VANDERHYTE P.C.

By Atty: Leonard C. Mitchard, Reg. No. 29,009

Signature: 

404327

Jc625 U.S. PTO
09/506361
02/18/00

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PCT

WORLD INTELLECTUAL PROPERTY ORGANIZATION
International Bureau



U.S. PTO
09/506361
02/18/00

INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification ⁶ : B65D 63/12, A61M 25/02, A61B 17/34, B22C 9/10, A61H 1/02	A1	(11) International Publication Number: WO 99/10250	(43) International Publication Date: 4 March 1999 (04.03.99)
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(21) International Application Number: PCT/GB98/02502
(22) International Filing Date: 20 August 1998 (20.08.98)
(30) Priority Data:
9717821.4 21 August 1997 (21.08.97) GB

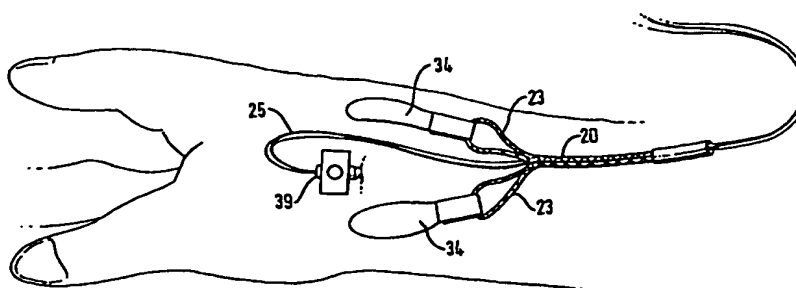
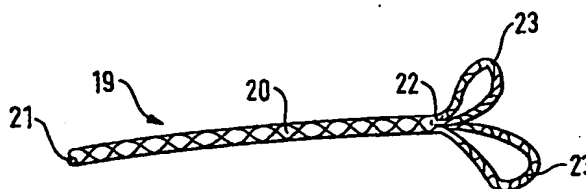
(71)(72) Applicant and Inventor: SPINOZA, Marc, Howard
[GB/GB]; 18 Cuffley Hill, Goffs Oak, Hertfordshire EN7
5EU (GB).

(74) Agent: CUMMINGS, Sean, Patrick; David Keltie Associates,
12 New Fetter Lane, London EC4A 1AP (GB).

(81) Designated States: AL, AM, AT, AU, AZ, BA, BB, BG, BR,
BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE,
GH, GM, HR, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ,
LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW,
MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL,
TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, ARIPO
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patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR,
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CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).

Published
With international search report.

(54) Title: A METHOD OF SECURING A LINE TO A PATIENT, FASTENERS AND THEIR USE TO SECURE A LINE TO A PATIENT



(57) Abstract

A method of securing a line (25) to a patient or of adjusting the position of a line (25) thus secured comprises elongating and narrowing a sleeve (20) applied to the line to grip the line and resist movement of the line along its longitudinal axis with respect to the sleeve. Also disclosed is a fastener (19) for securing a line (25) to a patient, the fastener comprising a sleeve (20) of variable length capable when lengthened of gripping the line.

INTERNATIONAL SEARCH REPORT

International Application No

PCT/GB 98/02502

A. CLASSIFICATION OF SUBJECT MATTER

IPC 6 B65D63/12 A61M25/02 A61B17/34 B22C9/10 A61H1/02

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 6 B65D A61M A61B B22C A61H

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	GB 1 601 334 A (DUNLOP LTD) 28 October 1981	1-3, 5, 6, 8, 9, 13-15, 18, 19, 31-34, 36-42
Y	see the whole document see figure 2	20
Y	US 5 221 265 A (LIST HARALD) 22 June 1993 see column 1, line 33-36; figure 2	20
X	EP 0 516 876 A (DONOHUE PATRICK TIMOTHY) 9 December 1992 see column 3, line 42-56 see column 6, line 28 - column 7, line 1 see figure 6	42

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents :

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier document but published on or after the international filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

- "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- "&" document member of the same patent family

Date of the actual completion of the international search

17 November 1998

Date of mailing of the international search report

27. 11. 98

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Bichlmayer, K-P

INTERNATIONAL SEARCH REPORT

International Application No

PCT/GB 98/02502

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 201 357 A (KUHN JOHN W ET AL) 13 April 1993 see abstract; figures 1,2,10 ---	42
X	DE 195 22 301 A (DAUM GMBH) 2 January 1997 see column 2, line 29-33; figure 2 ---	42
A	EP 0 009 893 A (PETERS JOSEPH LENNOX ;WILSON RICHARD YLVERTON (GB); ASHFORD COLIN) 16 April 1980 see page 2, line 14-29 see page 3, line 29 - page 4, line 1 see page 5, line 19-27; figures 1,2 ---	1,13, 37-39
A	US 5 344 406 A (SPOONER JAMES J) 6 September 1994 see figure 2A ---	10
A	US 5 257 975 A (FOSHEE DAVID L) 2 November 1993 cited in the application see figures 1,2 -----	35

INTERNATIONAL SEARCH REPORT

International application No.
PCT/GB 98/02502

Box I Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☒ Claims Nos.: 43-45
because they relate to subject matter not required to be searched by this Authority, namely:
Art. 6 PCT; Rule 6.2 (a) PCT
2. ☒ Claims Nos.: 43-45
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
Claim 43 is completely unclear (Art. 6 PCT) as the apparatus claimed is defined by a method of its use; Claims 44 and 45 see Rule 6.2 (a) PCT.
3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box II Observations where unity of invention is lacking (Continuation of item 2 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
☐ No protest accompanied the payment of additional search fees.

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/GB 98/02502

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
GB 1601334	A	28-10-1981	NONE	
US 5221265	A	22-06-1993	DE 9103742 U AT 118362 T DE 59201372 D DK 505804 T EP 0505804 A ES 2071365 T	13-06-1991 15-03-1995 23-03-1995 31-07-1995 30-09-1992 16-06-1995
EP 0516876	A	09-12-1992	US 5191903 A CA 2045343 A	09-03-1993 05-02-1992
US 5201357	A	13-04-1993	MX 9207229 A	01-07-1993
DE 19522301	A	02-01-1997	NONE	
EP 0009893	A	16-04-1980	AT 2872 T	15-04-1983
US 5344406	A	06-09-1994	NONE	
US 5257975	A	02-11-1993	EP 0589563 A JP 6181992 A	30-03-1994 05-07-1994